

INPUT SET: S11264.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

3 (1) General Information:

8 (ii) TITLE OF INVENTION: PROSAPOSIN AS A NEUROTROPHIC FACTOR

10 (iii) NUMBER OF SEQUENCES: 5

12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
14 (B) STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
15 (C) CITY: NEWPORT BEACH
16 (D) STATE: CA
17 (E) COUNTRY: USA
18 (F) ZIP: 92660

(v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

26 (vi) CURRENT APPLICATION DATA:

27 (A) APPLICATION NUMBER: US 08/484,594
28 (B) FILING DATE: 07-JUN-1995
29 (C) CLASSIFICATION: 514

31 (vii) PBTOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/100,247
(B) FILING DATE: 30-JUL-1993

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: Israelsen, Ned A.
37 (B) REGISTRATION NUMBER: 29,655
38 (C) REFERENCE/DOCKET NUMBER: O'BRIEN.002A

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 619-235-8550
(B) TELEFAX: 619-235-0176

44
45 (2) INFORMATION FOR GAO ID NO.: 1

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/484,594**

DATE: 06/25/96
TIME: 15:36:12

INPUT SET: S11264.raw

47 (i) SEQUENCE CHARACTERISTICS:
 48 (A) LENGTH: 22 amino acids
 49 (B) TYPE: amino acid
 50 (C) STRANDEDNESS: single
 51 (D) TOPOLOGY: linear
 52
 53 (ii) MOLECULE TYPE: peptide
 54
 55 (iii) HYPOTHETICAL: NO
 56
 57 (iv) ANTI-SENSE: NO
 58
 59 (v) FRAGMENT TYPE: internal
 60
 61
 62 (vii) IMMEDIATE SOURCE:
 63 (B) CLONE: 22-MER FRAGMENT
 64
 65
 66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
 67
 68 Cys Glu Phe Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asn Asn Lys
 69 1 5 10 15
 70
 71 Thr Glu Lys Glu Ile Leu
 72 20
 73
 74 (2) INFORMATION FOR SEQ ID NO:2:
 75
 76 (i) SEQUENCE CHARACTERISTICS:
 77 (A) LENGTH: 523 amino acids
 78 (B) TYPE: amino acid
 79 (C) STRANDEDNESS: single
 80 (D) TOPOLOGY: linear
 81
 82 (ii) MOLECULE TYPE: peptide
 83
 84 (iii) HYPOTHETICAL: NO
 85
 86 (iv) ANTI-SENSE: NO
 87
 88 (v) FRAGMENT TYPE: N-terminal
 89
 90
 91 (vii) IMMEDIATE SOURCE:
 92 (B) CLONE: PROSAPOSIN
 93
 94
 95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
 96
 97 Met Tyr Ala Leu Phe Leu Leu Ala Ser Leu Leu Gly Ala Ala Leu Ala
 98 1 5 10 15
 99

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/484,594DATE: 06/25/96
TIME: 15:36:17

INPUT SET: S11264.raw

100 Gly Pro Val Leu Gly Leu Lys Glu Cys Thr Arg Gly Ser Ala Val Trp
101 20 25 30
102
103 Cys Gln Asn Val Lys Thr Ala Ser Asp Cys Gly Ala Val Lys His Cys
104 35 40 45
105
106 Leu Gln Thr Val Trp Asn Lys Pro Thr Val Lys Ser Leu Pro Cys Asp
107 50 55 60
108
109 Ile Cys Lys Asp Val Val Thr Ala Ala Gly Asp Met Leu Lys Asp Asn
110 65 70 75 80
111
112 Ala Thr Glu Glu Glu Ile Leu Val Tyr Leu Glu Lys Thr Cys Asp Trp
113 85 90 95
114
115 Leu Pro Lys Pro Asn Met Ser Ala Ser Cys Lys Glu Ile Val Asp Ser
116 100 105 110
117
118 Tyr Leu Pro Val Ile Leu Asp Ile Ile Lys Gly Glu Met Ser Arg Pro
119 115 120 125
120
121 Gly Glu Val Cys Ser Ala Leu Asn Leu Cys Glu Ser Leu Gln Lys His
122 130 135 140
123
124 Leu Ala Glu Leu Asn His Gln Lys Gln Leu Glu Ser Asn Lys Ile Pro
125 145 150 155 160
126
127 Glu Leu Asp Met Thr Glu Val Val Ala Pro Phe Met Ala Asn Ile Pro
128 165 170 175
129
130 Leu Leu Leu Tyr Pro Gln Asp Gly Pro Arg Ser Lys Pro Gln Pro Lys
131 180 185 190
132
133 Asp Gly Asp Val Cys Gln Asp Cys Ile Gln Met Val Thr Asp Ile Gln
134 195 200 205
135
136 Thr Ala Val Arg Thr Asn Ser Thr Phe Val Gln Ala Leu Val Glu His
137 210 215 220
138
139 Val Lys Glu Glu Cys Asp Arg Leu Gly Pro Gly Met Ala Asp Ile Cys
140 225 230 235 240
141
142 Lys Asn Tyr Ile Ser Gln Tyr Ser Glu Ile Ala Ile Gln Met Met Met
143 245 250 255
144
145 His Met Gln Pro Lys Glu Ile Cys Ala Leu Val Gly Phe Cys Asp Glu
146 260 265 270
147
148 Val Lys Glu Met Pro Met Gln Thr Leu Val Pro Ala Lys Val Ala Ser
149 275 280 285
150
151 Lys Asn Val Ile Pro Ala Leu Asp Leu Val Asp Pro Ile Lys Lys His
152 290 295 300

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/484,594**DATE: 06/25/96
TIME: 15:36:22**INPUT SET: S11264.raw**

153
154 Glu Val Pro Ala Lys Ser Asp Val Tyr Cys Glu Val Cys Glu Phe Leu
155 305 310 315 320
156
157 Val Lys Glu Val Thr Lys Leu Ile Asp Asn Asn Lys Thr Glu Lys Glu
158 325 330 335
159
160 Ile Leu Asp Ala Phe Asp Lys Met Cys Ser Lys Leu Pro Lys Ser Leu
161 340 345 350
162
163 Ser Glu Glu Cys Gln Glu Val Val Asp Thr Tyr Gly Ser Ser Ile Leu
164 355 360 365
165
166 Ser Ile Leu Leu Glu Glu Val Ser Pro Glu Leu Val Cys Ser Met Leu
167 370 375 380
168
169 His Leu Cys Ser Gly Thr Arg Leu Pro Ala Leu Thr Val His Val Thr
170 385 390 395 400
171
172 Gln Pro Lys Asp Gly Gly Phe Cys Glu Val Cys Lys Lys Leu Val Gly
173 405 410 415
174
175 Tyr Leu Asp Arg Asn Leu Glu Lys Asn Ser Thr Lys Gln Glu Ile Leu
176 420 425 430
177
178 Ala Ala Leu Glu Lys Gly Cys Ser Phe Leu Pro Asp Pro Tyr Gln Lys
179 435 440 445
180
181 Gln Cys Asp Gln Phe Val Ala Glu Tyr Glu Pro Val Leu Ile Glu Ile
182 450 455 460
183
184 Leu Val Glu Val Met Asp Pro Ser Phe Val Cys Leu Lys Ile Gly Ala
185 465 470 475 480
186
187 Cys Pro Ser Ala His Lys Pro Leu Leu Gly Thr Glu Lys Cys Ile Trp
188 485 490 495
189
190 Gly Pro Ser Tyr Trp Cys Gln Asn Thr Glu Thr Ala Ala Gln Cys Asn
191 500 505 510
192
193 Ala Val Glu His Cys Lys Arg His Val Trp Asn
194 515 520
195
196 (2) INFORMATION FOR SEQ ID NO:3:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 80 amino acids
200 (B) TYPE: amino acid
201 (C) STRANDEDNESS: single
202 (D) TOPOLOGY: linear
203
204 (ii) MOLECULE TYPE: protein
205

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/484,594**DATE: 06/25/96
TIME: 15:36:27**INPUT SET: S11264.raw**

206 (iii) HYPOTHETICAL: NO
207
208 (iv) ANTI-SENSE: NO
209
210 (v) FRAGMENT TYPE: internal
211
212
213 (vii) IMMEDIATE SOURCE:
214 (B) CLONE: SAPOSIN C
215
216
217
218
219
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
221
222 Ser Asp Val Tyr Cys Glu Val Cys Glu Phe Leu Val Lys Glu Val Thr
223 1 5 10 15
224
225 Lys Leu Ile Asp Asn Asn Lys Thr Glu Lys Glu Ile Leu Asp Ala Phe
226 20 25 30
227
228 Asp Lys Met Cys Ser Lys Leu Pro Lys Ser Leu Ser Glu Glu Cys Gln
229 35 40 45
230
231 Glu Val Val Asp Thr Tyr Gly Ser Ser Ile Leu Ser Ile Leu Leu Glu
232 50 55 60
233
234 Glu Val Ser Pro Glu Leu Val Cys Ser Met Leu His Leu Cys Ser Gly
235 65 70 75 80
236
237
238 (2) INFORMATION FOR SEQ ID NO:4:
239
240 (i) SEQUENCE CHARACTERISTICS:
241 (A) LENGTH: 2740 base pairs
242 (B) TYPE: nucleic acid
243 (C) STRANDEDNESS: single
244 (D) TOPOLOGY: linear
245
246 (ii) MOLECULE TYPE: cDNA
247
248 (iii) HYPOTHETICAL: NO
249
250 (iv) ANTI-SENSE: NO
251
252
253 (vii) IMMEDIATE SOURCE:
254 (B) CLONE: PROSAPOSIN cDNA
255
256
257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/484,594**

DATE: 06/25/96
TIME: 15:36:32

INPUT SET: S11264.raw

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